

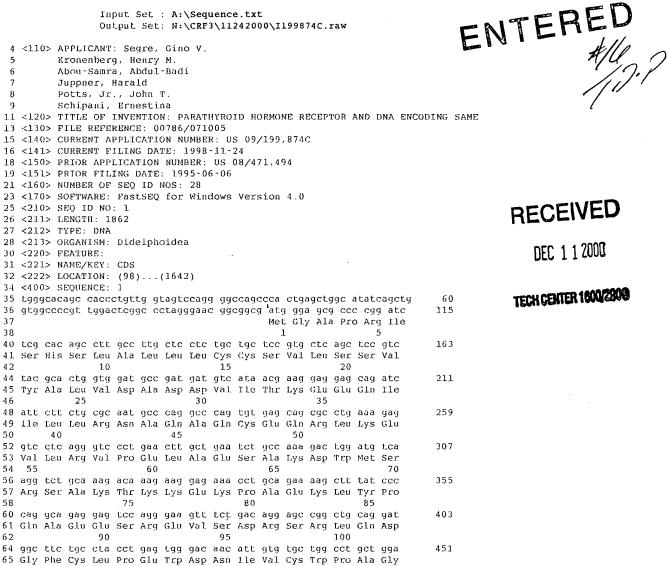
1646

RAW SEQUENCE LISTING DATE: 11/24/2000 PATENT APPLICATION: US/09/199,874C TIME: 14:59:48

Input Set : A:\Sequence.txt

110

Output Set: N:\CRF3\11242000\I199874C.raw



DATE: 11/24/2000 TIME: 14:59:48

Input Set : A:\Sequence.txt
Output Set: N:\CRF3\11242000\1199874C.raw

				aag													499
69	Val		Gly	Lys	Va l	Val		Val	bro	Cys	Pro	-	Туг	Phe	Tyr	Asp	
70		1.20					1.25					130					
				aaa		•	-			-	-	-	_			•	547
		Asn	Hi.s	Lys	Gly		Ala	туг	Arg	Arg	-	Asp	ser	Asn	Gly		
	135					140					145					1.50	
				gtg													595
	Trp	GLu	Leu	Val		GLY	Asn	Asn	Arg		Trp	Ala	Asn	Tyr		GLu	
78					155					160					165		(42
				ttt													643
82	Cys	var	rys	Phe 170	reu	Thr	ASII	Glu	175	Arg	GLU	Arg	GTU	180	Phe	Asp	
	000	ot o	(1/17.2	atg	ato	tac	agt	ata		tao	taa	ata	tot		aac	tee	691.
				Met										_			091.
86	ALG	nea	185	Me C	1.16	ryr	L 11 1.	190	G.I.y	171	ser	1.1.6	195	Leu	Gry	JC 1.	
-	ote	act		gct.	ata	era	att		aat	tac	+++	acto		tta	cat	tac	739
				Ala				-									737
90	Lou	200	141			Lou	205	204	0.21	-3-		210				0,0	
	acc		aac	tac	att.	cac		cat	ctc	ttc	a t:a		ttt	ata	ctc	caa	787
		-		Tyr										-			,
	21.5			-1-		220					225					230	
		ata	agc	atc	ttc		aaq	qat	act.	ata		t.ac	tcq	aga	att.		835
				Ile													
98					235		•			240					245		
100	aça	gat	gaa	ato	gag	gege	ato	acc	gag	gag	gag	ctg	age	gcc	tto	aca	88
101	Thr	Asp	Glu	ıIle	Glu	Arg	Tle	Thr	G1.	ı Glu	Glu	Leu	Arg	Ala	Phe	Thr	
1,02	:	_		250		_			255	5				260			
1.04	gag	cct	ccc	cct.	gct	: gad	aag	909	ggt	ttt	gtg	ggc	tgo	aga	gtg	gcg	93:
105	Glu	Pro	Pro	Pro	Ala	Asp	Lys	Ala	Gly	Phe	Val	Gly	Cys	Arg	Val	Ala	
106			265	5				270)				275				
	-		-	: ttc				-								-	97
1.09	Val.			. Phe	. Leu	ı Tyr			Thi	Thr	Asn			Trp	Ile	Leu	
1.10		280					285					290					
				cto													102
			Gly	Leu	Tyr			Ser	Lei	lle			. Ala	Phe	Phe		
	295					300					305					310	
				tat									,				107
		Lys	Lys	Tyr			GLy	Phe	Thr			GLy	Trp	GLy		Pro	
118					315					320					325		110
	•	-		gtc	-							-			_		112
		va.i	. Pne	val.		ı va.ı	Trp	val			Arg	A.I.a	Thr			Asn	
1.22				330			er t-	4:	335				b	340			117
				: tgg													117
		GLU	-	Trp	ASL	, ren	ser	350		ASI	Lys	Lys	355		11.6	GIII	
126		000	345		aco	ant-	2++				+++	a t- t-			ato	aa+	1219
				ctg Leu		-											121
1.30		360		. 10011	ALG	HIG	365		. val	. noll	rne	370		FILE	116	ASH	
				gto	otro	act.			cto	caa	gag			ac a	aaa	aga	126
1. 3 2	aca	all	. aya	guc	ceg	get	act	aaa		. egg	yay	acc	aat	yea	999	aya	1.20

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TECH CENTER 1600/2900)

DAFE: 11/24/2000 TIME: 14:59:48

Input Set : A:\Sequence.txt
Output Set: N:\CRF3\11242000\I199874C.raw

133	Ile I	le	Arg	Val	Leu	Ala	Thr	Lys	Leu	Arg	Glu	Thr	Asn	Ala	Gly	Ary	
134	375					380					385					390	
136	tgt g	ac	acg	agg	caa	cag	tat	aga	aag	ctg	ctg	aag	tec	acg	cta	gtc	1315
137	Cys A	sp	Thr	Arg	Gl.n	Gln	Tyr	Arg	Lys	Leu	Leu	L7s	ser	Thr	Leu	Val.	
138					395					400					405		
140	ctc a	tg	ccg	cta	ttt	ggg	gtg	cac	tac	acc	gte	ttc	atg	gcc	acg	ccg	1363
141	Leu M	let	Pro	Leu	Phe	Gly	Val	His	Tyr	Tle	Val.	Phe	Met	Ala	Th.c	Pro	
142				410					415					420			
144	tac a	ca	gaa	gta	tca	ggg	att	ctt	tgg	caa	gtc	caa	atg	cac	tat	gaa	1411
145	Tyr T	hr	Glu	Val	Ser	Gly	Ile	Leu	Trp	GLn	Val	Gln	Met	His	Tyr	Glu	
146			425					430					435				
148	atg c	tc	ttc	aat	tca	ttc	cag	gga	ttt	ttc	gtt	gcc	att	ata	tac	tgt	1459
149	Met L	eu	Phe	Asn	ser	Phe	G.l.n	Gly	Phe	Phe	Val.	Ala	Lle	I l.e	'l'yr	Cys	
150	4	40					445					450					
152	ttc t	gc	aat	gga	gag	gta	caa	gca	gag	atc	aag	aag	tca	tgg	agc	cga	1507
	Phe C																
154	455	-		-		460					465			_		470	
156	tgg a	CC	ctg	gcc	ttg	gac	ttc	aag	cgg	aaq	gcc	çgg	agt	ggc	agc	agt.	1555
1.57	Trp T	hr	Leu	A l.a	I.eu	Asp	Phe	Lys	Arg	Lys	A.l.a	Arg	Ser	GLy	Ser	Ser	
158	_				475	-			•	480		-		_	485		
160	acc t	aç	age	tat	gge	ccc	atq	qtg	tca	cat	aca	agt	qtc	acc	aat	gtg	1603
161	Thr T	yr	ser	Tyr	Gly	Pro	Met	Val	Ser	His	Thr	ser	٧a١	Thr	Asn	Val	
1.62		-		490	•				495					500			
164	gga c	ct	cga	ggg	ggc	tgg	cet	tgt	ccc	tca	gcc	ctc	gac	tage	etect	Lgg	1652
	Gly P													-			
166			505	_	-	•		510					515				
1.68	ggctg	gag	cc a	igt,go	caat	ig go	cate	cacca	gti	tgeet	ggc	tate	gtgaa	age a	atggt	tccat	1712
																gtatet	1.772
170	caatg	get	ct o	gact	it.ta1	ig ag	godaa	itggi	: tg	jggaa	acag	ccc	cata	cac 1	toote	ggagga	1832
171	ggaga	gag	ag a	cagt	cate	gt ga	accca	tato	2								1862
173	<210>	SE	Q Tr	NO:	: 2	-											
1.74	<21.1>	LE	NGTE	1: 18	363												
175	<21.2>	TY	PE:	DNA													
176	<213>	OR	GANI	SM:	Dide	alpho	oidea	1									
178	<220>	FE	ATUE	RE:													
1.79	<221>	NA	ME/F	EY:	CDS												
180	<222>	LO	CATI	ON:	(98)) ((1852	2) 🖊									
182	<400>	SE	QUE	ICE:	2												
183	tiggge	aca	ge c	cacco	etgti	g gt	tagto	cagg	ggg	ccago	ccca	ctga	igoto	ge a	atato	cagetg	60
184	gtggc	ccc	gt 1	ggad	ebagg	je ed	ctage	gaad	gge	egge	ato	gga	ge	cco	cgg	atc	115
185											Met	Gly	/ Ala	a Pro	Arg	Tle	
186											1	ļ			-	5	
188	tcg c	ac	agc	ctt	gcc	ttg	ctc	ctc	tgc	tige	tcc	gtg	ctc	agc	tcc	gtc	163
189	Ser H	i.s	se.r	Leu	Ala	Leu	Leu.	Leu	Cys	Cys	Ser	Va.l.	Leu	Ser	Ser.	Val	
190				10					15					20			
192	tac g	ca	ctg	gtg	gat	gcc	gat	gat	gtc	ata	acg	aag	gag	gag	cag	atc	211
193	Tyr A	1a	Leu	Val	Asp	Ala	Asp	Asp	Val	Ile	Thr	Lys	G1u	Glu	Gln	Ile	
194			25					30					35				
196	att c	tt	ctg	cgc	aat	gcc	cag	gcc	cag	tgt	gag	cag	cgc	ctg	aaa	gag	259

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197 198	ıle	Len 40	Leu	Arg	Asn	Ala	Gln 45	Ala	Gln	Cys	Glu	Gln 50	Arg	Leu	Lys	Glu	
	qtc		agg	ate	cct	αaa		act	gaa	t.c.t.	acc		gac	t.aa	ato	t.ca	307
	Val																20,
202	55					60	200				65			<u>f</u> -		70	
	agg	tot	aca	aag	aca		aau	uaa	aaa	cer		aaa	aaq	ctt	tat		355
	Arg		•	_		-	•						-				330
206	,			, -	75	/	/		,	80	****		;		85		
	cag	qca	qaq	gag	tee	aqq	gaa	att	tct	qac	agg	agc	caa	cta	caq	gat	403
	Gln						-			•		_		_	_	-	
210				90					95		,			100		1.	
212	gge	ttc	tac	cta	cct	qaq	taa	qac	aac	att	ata	tac	tag		act	qqa	451
	Gly																
214	•		1.05					110				-	115			•	
216	gtg	ccc	ggc	aaq	gtg	qtq	gee	gtg	ccc	tgc	CCC	qac	tac	ttc	tac	gac	499
217	Val	Pro	GLy	Lys	Val	Val	Ala	Val	Pro	Cys	Pro	Asp	Tyr	Phe	Tyr	Asp	
218		120	•				125			•		130	•		·		
220	ttc	aac	cac	aaa	ggc	cga	gcc	tat	cgg	cgc	t.gt	gac	age	aat.	ggc	age	547
221	Phe	Asn	His	Lys	Gly	Arg	Ala	Tyr	Arg	Arg	Cys	Asp	Ser	Asn	Gly	ser	
2 <u>2</u> 2	135					140					145					150	
224	tgg	gag	ctg	gtg	cct	ggģ	aac	aac	cgg	aca	tgg	gcg	aat	tac	agc	gaa	595
225	Trp	Glu	I.eu	Val	Pro	$G1\overline{\Lambda}$	Asn	Asn	Arg	Thr	Trp	Ala	Asn	Tyr	ser	Glu	
226					1.55					160					165		
228	tgt	gtc	aag	ttt	ctg	acc	aac	gag	acc	cgg	gaa	cgg	gaa	gtc	ttt	gat	643
229	Cys	Va]	Lys	Phe	Leu	Thr	Asn	Glu	Thr	Arg	Glu	Arg	Glu	Val	Phe	Asp	
230				170					1.75					1.80			
	cgc			-										•			691
	Arg	Leu	_	Met	He	Tyr	Thr	Va I.	Gly	Tyr	ser	176	ser	Leu	Gly	Ser	
234			185					190					195				
	ctc																739
	Leu		Val.	Ala	Va.l	Leu		Leu	Gly	Ty.r	Phe		Arg	Leu	His	Cys	
238		200					205					210					
	acc																787
	Thr	Arg	Asn	Tyr	Tre		Met	HIS	Leu	Phe		Ser	Phe	Met	Leu	**	
	215					220					225					230	
	get																835
	Ala	vaı	ser	тте		ire	Lys	Asp	ATa		Leu	Tyr	ser	GTÀ		ser	
246	202	A = . ++		2+2	235	00				240	~~~	a tra		~ ~ ~	245		0.0.2
	aca Th <i>c</i>																883
250	1.111.	ASP	GIU	250	GIU	AIG	rre	1111.	255	GIU	GIU	Leu	A.I G	260	PIR	1111	
	gag	oat	000		act	0.20	22/7	aaa		+++	ata	aac	tac		ata	aca	931
	Glu					*	•							_			331
254	Olu	rico	265	FIO	ALU	пэр	цуз	270	GLY	FIIG	val	GLY	275	Arg	V CI .L	HLG	
	gta	acc		ttc	ctt	tac	ttc		acc	200	220	tac		taa	ato	cta	979
	Val																2,2
258		280			200	~ J	285	204		- 11.1	. 1511	290	474		.4.4.4	هيا سي∖لسم	
	gtg		age	ctc	tac	ctt		age	ctc	atc	titic		act	t.t.t	t.t.c	t.c.t.	1027
	Val																,
-	-				. 2 .		-										

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262	295					300					305					310	
264	gag	aaa	aag	tat	ctc	tgg	ggt	ttc	aca	tta	ttt	ggc	tgg	ggc	ata	cct	1075
265	Glu	Lys	Lys	Ty.r	Leu	Trp	Gly	Phe	Thr	Leu	Phe	Gl.y	Trp	G1.7	ī.eu	Pro	
266					31.5					320					325		
268	gcc	gtg	ttt	gtc	gct	gtg	tgg	gtg	acc	gtg	agg	get	aça	ctg	gcc	aac	1123
269	Ala	Val.	Phe	Val.	Ala	Val	Trp	Val	Thr	Val	Arg	Ala	Thr	Leu	Ala	Asn	
270				330					335					340			
272	act	gag	tge	tgg	gac	ctg	agt	tcg	ggg	aat	aag	aaa	tgg	atc	ata	cag	1171
273	Thr	Glu	Cys	Trp	Asp	Leu	Ser	ser	Gly	Asn	Lys	Lys	Trp	I l.e	Lle	Gln	
274			345					350					355				
276	gtg	ccc	atc	ctg	gca	gct	att	gtg	gt,g	aac	ttt	att	ctt	ttt	atc	aat	1219
277	Val	Pro	I Le	Leu	A1.a	Ala	Ile	Va.l	Val.	Asn	Phe	I l.e	Leu	Phe	Tle	Asn	
278		360					365					370					
280	ata	atc	aga	gtc	ctg	gct	act	aaa	ctc	cgg	gag	acc	aat	gca	ggg	aga	1267
281	11e	$_{\text{Ile}}$	Arg	Val	Leu	Ala	Thr	Lys	Leu	Arg	Glu	Thr	Asn	Ala	Gly	Arg	
282	375					380					385					390	
284	tgt	gac	acg	agg	caa	cag	tat	aga	aag	ctg	ctg	aag	tcc	acg	cta	gtc	1315
285	Cys	Asp	$\mathrm{Th}_{\mathcal{L}}$	Arg	Gln	Gln	Tyr	Arg	Lys	Leu	Leu	Lys	Ser	Thr	Leu	Val	
286					395					400					405		
288	ctc	atg	ccg	cta	ttt	ggg	gtg	cac	tac	atc	gtc	ttc	atg	gcc	acg	ccg	1363
289	Leu	Met	Pro	Leu	Phe	Gly	۷a].	His	Tyr	I l.e	Va 1.	Phe	Met	Ala	Thic	Pro	
290				41.0					41.5					420			
292	tac	a.ca	gaa	gta	tca	ggg	att	ctt	tgg	caa	gtc	caa	atg	cac	tat	gaa	1411
293	Tyr	Thr	Glu	Val	Ser	Gly	Ile	Leu	Trp	Gln	Val	Gln	Met	His	Tyr	GLu	
294			425					430					435				
296	at.g	ctc	ttc	aat	t.ca	ttc	cag	gga	ttt	ttc	gt:t	gcc	att	ata	tac	tgt	1459
297	Иet	Leu	Phe	Asn	ser	Phe	Gln	Gly	Phe	Phe	Val	Ala	I l.e	Lle	Tyr	Cys	
298		440					445					450					
							caa										1.507
301	Phe	Cys	Asn	Gly	Glu	۷al.	Gln	Ala	Glu	Ile	Lys	Lys	Ser	Trp	ser	Arg	
303	455					460					465					470	
304	tgg	acc	ctg	gcc	ttg	gac	ttc	aag	cgg	aag	gcc	cgg	agt	ggc	agc	agt	1555
	Trp	Thr	Leu	A.l.a		Asp	Phe	Lys	Arg	-	Al.a	Arg	Ser	Gly		ser	
306					475					480					485		
			**		~ .		atg										1603
	Thr	туr	Ser	-	Gly	Pro	Met	Va L		His	Thr	Ser	Val		Asn	Va.l	
31.0				490					495					500			
							gcc										1651
	Gly	Pro		Gly	Gly	Leu	Ala		Ser	Leu	Ser	Pro	_	Leu	A.l.a	Pro	
314			505					510					515				
					-	-	aat				-						1699
	Gly		Gly	Ala	ser	Ala	Asn	Gly	His	His	Gln		Pro	Gly	Tyr	Val	
318		520					525					530					42.5
	-						gag			-							1747
	-	His	G I.y	Ser	fle		G.l u	Asn	ser	Leu		ser.	ser	G.I y	PLO		
322						540					545					550	1205
					-	-	999									a-	1795
	P.PO	GTĀ	Thr	гàг		ASP	G.t y	туr	Leu		erA	ser	GLY	Leu	_	ษมน	
326					555					560					565		

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/199,874C

DATE: 11/24/2000 TIME: 14:59:49

Input Set : A:\Sequence.txt
Output Set: N:\CRF3\11242000\1199874C.raw

L:724 M:341 W: (46) "n" or "Xaa" used, for SEQ TD#:8

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